

0062631

SAF-B03-005
100N Ancillary Facilities &
190-DR Other Solid Sampling for
ERDF Waste Designation
FINAL DATA PACKAGE

E-Mail RESULTS TO:

Rikki Thoren

N/A
INITIAL/DATE

Rene Nielson

N/A
INITIAL/DATE

Dave Encke

N/A
INITIAL/DATE

Duane Jacques

N/A
INITIAL/DATE

COMPLETE COPY OF DATA PACKAGE TO:

Rikki Thoren

X5-50

BT 2/2/04
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE FAX COVER SHEET)

SDG 20040820 SAF-B03-005

Rad only ☒ Chem only Rad & Chem

☒ Complete Partial

RECEIVED
SEP 13 2004

EDMC

WSCF
ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

for

Bechtel Hanford, Inc.
MSIN H9-02
Richland, WA 99352

Attention: J. Kessner MSIN: H9-02

Survey ID J01J52

Data Validator MK Hamilton



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Group#: 20040820
Report Date 30-jun-2004
bulk/rev.r6

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Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352 Phone 373-7403

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ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

Your samples have been analyzed for fiber content using polarized light microscopy and dispersion staining in accordance with Industrial Hygiene Laboratory Procedure LA-519-403, based on 40 CFR Part 763, Subpart E, App. E and EPA method EPA/600/R-93/116. The results are attached.

This method provides a visual estimate of the percentage of each fiber type present. It is a semiquantitative method intended to identify materials containing $\geq 1\%$ asbestos fibers.* Reported fiber percentages for samples and sample layers are based on the samples as received by the laboratory. The laboratory cannot verify that these values are representative of the original material sampled.

The Waste Sampling and Characterization Facility is accredited by the American Industrial Hygiene Association (AIHA) to analyze bulk samples for asbestos content. This accreditation does not constitute approval or endorsement of analytical results by AIHA.

If there are questions concerning this report, please contact the data validator listed on the cover page of this report.

* Because of the nonhomogeneous nature of soils, results will be reported using the following terms rather than percentages:

1. None - No asbestos fibers found.
2. Trace detectable - With extensive searching, a few fibers of the type indicated were found; concentration very low, well below 1%.
3. Obvious presence - Fibers easily found but overall concentration still low.
4. Significant presence - Fibers readily found; overall concentration may approach or exceed 1% level.

Polarized light microscopy (PLM) may not be the preferred method for identification of asbestos in floor tile. Most vinyl floor tiles marketed in the late sixties to mid-seventies contained asbestos milled so fine as to be below detection limits for PLM techniques. Tiles of that vintage, showing any detectable asbestos fibers should be considered to be asbestos-containing material. Non-detection of asbestos by PLM should not be considered conclusive proof that the tiles do not contain asbestos. Results for such samples will be reported as 'indeterminate'. Confirmatory analysis by TEM is strongly recommended.

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ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040820

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
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W04I002556 J01J52

The following are the results of this test- Bulk Asbestos Layer 1

Chrysotile Asbestos	<	1	%	sdb	05/14/04	05/17/04	05/19/04
Cellulose		1-4	%	sdb	05/14/04	05/17/04	05/19/04

SAMPLE COMMENT--- Non-homogenous pieces of white granular material, coated

SAMPLE COMMENT--- with brown granular material, reportedly from 190DR/100D.

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ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040820

Sample #	Client ID	Lab Area	Test	Comment
W04I002556	J01J52	VALGROUP		Validated 6/30/04 by MK Hamilton, IH QA Coordinator.
		LOGSAMP		Received by V. Sims and logged by SD Bolling 5/17/04
				Sample acceptable upon receipt.
				MEDIA: Bulk
		TESTDATA	Bulk Asbestos Layer 1	Non-homogenous pieces of white granular material, coated with brown granular material, reportedly from 1900R/100D

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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20040820

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B03-005-046		Page 1 of 1	
Collector Renee Nielson		Company Contact Rikki Thoren		Telephone No. 372-2178		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 100N Ancillary Facilities & 190-DR Other Solid Sampling to		Sampling Location 190-DR		SAF No. B03-005		Air Quality			
Ice Chest No. ERC 97079		Field Logbook No. EL-1516-2		COA R190DR1000		Method of Shipment Hand deliver - govt. vehicle			
Shipped To Waste Sampling & Characterization POSSIBLE SAMPLE HAZARDS/REMARKS Potential ACM		Offsite Property No. NA		Bill of Lading/Air Bill No. NA					
Special Handling and/or Storage None		Preservation		None					
		Type of Container		aG					
		No. of Container(s)		1					
		Volume		60ml.					
				Asbestos					
SAMPLE ANALYSIS									
Sample No.	Matrix *	Sample Date	Sample Time						
J01J52 W041002556	OTHER SOLID	5/14/04	1100	X					
CHAIN OF POSSESSION					SPECIAL INSTRUCTIONS				
Relinquished By/Removed From R. Nielson		Date/Time 5/14/04 1430		Received By/Stored In Ref #3C		Date/Time 5/14/04 1430		Matrix *	
Relinquished By/Removed From B.C. 3728		Date/Time 5-17-04 1220		Received By/Stored In R. Nielson		Date/Time 5-17-04		S=Soil SF=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dry Solids DL=Dry Liquids T=Tissue W1=Wipe L=Liquid V=Vegetation N=Other	
Relinquished By/Removed From ERC		Date/Time 5-17-04 1330		Received By/Stored In 1. C. 3728		Date/Time 5/17/04			
Relinquished By/Removed From Storage		Date/Time 5/17/04 1500		Received By/Stored In SD Bolling		Date/Time 5/17/04 1500			
Relinquished By/Removed From Storage		Date/Time 5/19/04 1145		Received By/Stored In SD Bolling		Date/Time 5/19/04			
Relinquished By/Removed From SD Bolling		Date/Time 5/19/04		Received By/Stored In Storage		Date/Time 5/19/04			
LABORATORY SECTION		Received By SD Bolling		Title IH Tech Mgr		Date/Time 5/17/04 1500			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			